

Product Information and Owner's Manual

**MODELS 4000V, 5000V, 6500, 8500 & 10000
HEPA Air Filtration System**



Keep this manual for
reference purposes



Cleaning the air you breathe.

INSTALLATION

To optimize the performance of your AMAIRCARE HEPA AIR FILTRATION SYSTEM, it should be installed by a professional heating and ventilation contractor who is familiar with your indoor air quality situation and the operation of other heating, ventilation and air conditioning equipment that you may have.

HEPA AIR FILTRATION SYSTEMS

Congratulations! You will quickly realize that you have purchased the most effective air cleaning and treatment system available anywhere. It incorporates "state of the art" **HEPA** (High Efficiency Particulate Arrestance) technology. This is the equipment that respiratory specialists recommend.

Your **AMAIRCARE Air Filtration System** comes with a limited warranty. With proper attention to its care and maintenance, you will receive a lifetime optimum performance.

If your indoor air has abnormally high concentrations of particulate, odors or toxins, the life span of the filter media may be shortened. Excessive particulate in the air will reduce the expected life of the **HEPA** filter as it will ultimately restrict the flow of air through the unit. Under normal conditions the **HEPA** filter will last from two to five years, and its ability to remove very small particulate actually improves with use. The activated carbon media has a finite limit as to the amount of odor or other gaseous toxins that it can absorb. Again, the higher the concentrations, the shorter the expected life. Normally, the first stage pre-filter should be cleaned monthly and replaced quarterly.

As indicated above, the **HEPA** filter's particulate removal efficiency improves with use. However, the air flow through the HEPA filter media will ultimately begin to decrease, thus lowering its ability to circulate and clean as much air as when it was new. If the air flow through your unit is noticeably reduced, you can inspect the **HEPA** filter by removing it and seeing if the filter paper is darkened on the inlet or outer side. If it is, the filter cartridge should be replaced.

Please contact your local Amaircare dealer or call **Americair** Corporation Customer Service Department at (905) 565-9488 regarding replacement of filter media, warranty information or if you have any questions or concerns about the performance of your **AMAIRCARE Air Filtration System**.

OPERATING INSTRUCTIONS

With proper care and maintenance, you will enjoy many years of service and dramatically improve the quality of your indoor air. The **AMAIRCARE HEPA Air Filtration System** is designed to operate continuously and the unit should be left in operation at all times.

INSTRUCTIONS

1. The unit may be operated in a wide variety of situations. Contact your HVAC contractor for specific instructions.
2. Plug the unit into a grounded outlet (120 Volt, 60 Hz or 230 Volt 50/60 Hz).
3. Turn the unit on by rotating the control dial clockwise until you hear or feel it click (Some 4000V and 5000V models only have an on off switch).
4. The unit will come on in the "HIGH" position. To Reduce the air flow, continue to rotate the control dial clockwise.
5. To turn the unit off, rotate the dial counter-clockwise past the "HIGH" position until you hear or feel it click.

CAUTION!

1. Make sure that the line cord is not in the path of people walking or where anything can be rolled over it.
2. The unit should be leveled after installation by adjusting the leveler feet.
3. Locate the unit such that there is no possibility of moisture dripping on it. Moisture could leak into the unit and damage the filter or electrical components.
4. The Air Filtration System discharges clean air through the duct connection on the top of the unit at the back.
5. Before removing the door of the blower/motor section, disconnect the power cord.

NOTE: You may notice a slight "new" smell from the Air Filtration System when you first turn it on. This is normal and harmless and it will dissipate within a few days.

FILTER REPLACEMENT INSTRUCTIONS

The **AMAIRCARE HEPA Air Filtration System** is designed to run continuously. To ensure optimal performance, please carefully follow the Product Information and Owner's Manual Instructions.

FILTER REPLACEMENT INSTRUCCIONS:

1. Read these instructions completely.
2. Unplug your unit from the power supply outlet.
3. Open the front door of the unit to gain access to the filter compartment.
4. Lift the rod that holds the filter in place and remove the metal plate covering the end of the filter.
5. Remove the **HEPA** cartridges from the unit. NOTE: The carbon pre-filter and the **HEPA** filter will contain contaminants. Remove them slowly from the unit in order to avoid dusting.
6. To change the first-stage carbon filter, peel off the black pre-filter that surrounds the **HEPA** cartridge and discard into a plastic waste bag.
7. Wrap the new pre-filter around the **HEPA** cartridge completely enclosing it with the carbon blanket. Then peel off the paper backing of the adhesive strip on the inside of the pre-filter and overlay the adhesive strip on the filter to seal it tightly. The inner blanket (third stage filter) can be changed similarly however there is no adhesive strip needed to hold it in place.
8. Replace the **HEPA** cartridge complete with the new pre-filter and inner blanket (if changed) into the casing, making sure it is seated in the ring at the back of the unit. Install the cover plate and the filter retaining rods.
9. After all of the filters have been replaced, replace the front door.
10. Plug in the unit and turn it on. For optimum performance set the unit to the highest speed setting.

FILTER MEDIA

There are three stages of filtration in the **AMAIRCARE Air Filtration System**. Air is drawn into the top of the unit through the duct opening above the front compartment and is exhausted through the duct opening above the rear fan compartment. The three stages of filtration are as follows:

STAGE 1: As air enters the air treatment system it first passes through 3/16" thick activated carbon impregnated non-woven polyester pre-filter. This first stage of filtration removes the larger particles of dust and adsorbs[JPS1]* gaseous contaminants.

STAGE 2: After passing through the pre-filter, the air then moves through a high efficiency particulate removal filter. The "**HEPA**" (High Efficiency Particulate Arrestance) filter media is laser tested to remove 99.97% of the particles in the air stream down to a size of 0.3 microns. Particles of concern which are normally in this size range include pollen, household dust, cigarette smoke, bacteria, animal dander, molds, etc.

STAGE 3: The clean air stream then passes through a 1/2" inner blanket of activated carbon impregnated non-woven polyester filter material. This final stage of filtering adsorbs additional gaseous contaminants such as odors and toxic fumes.

SERVICE LIFE

The useful service life of the filter media in the **AMAIRCARE Air Filtration System** is directly related to the volume of air passed through the system and the amount of contaminants in the air. In a typical residential application, the Stage 1 and Stage 3 filter media should be replaced every three to six months. The Stage 2 **HEPA** filter should retain peak performance for a period of two to five years, again, depending on the amount of particulate in the air and the maintenance of the Stage 1 pre-filter.

AMERICAIR CORPORATION - PARTS LIST

The following are the item numbers for the various filter replacement components needed to ensure long-term optimum performance from your **AMAIRCARE HEPA Air Filtration System**. To order, please contact your Dealer directly or call the factory to obtain the name of the Dealer nearest to your location.

PART NUMBER	DESCRIPTION
90005406	16" HEPA Filter Cartridge (100 sq. ft.) 4000V / 6500 / 8500
90005506	16" HEPA Filter Cartridge (125 sq. ft.) 5000V / 1000
9100540608	Complete HEPA Filter Replacement Kit 4000V (Includes Pre-filter, 100 sq. ft. HEPA filter and Inner Blanket.)
9100550608	Complete HEPA Filter Replacement Kit 5000V (Includes Pre-filter, 125 sq. ft. HEPA filter and Inner Blanket.)
9100640608	Complete HEPA Filter Replacement Kit 6500/8500 (Includes 3 Pre-filters, 3 16" 100 sq. ft. HEPA filters and 3 Inner Blankets.)
9100650608	Complete HEPA Filter Replacement Kit 10000 (Includes 3 Pre-filters, 3 125 sq. ft. HEPA filters and 3 Inner Blankets.)
92005-11	16" Activated Carbon Pre-filter
93005-21	16" Activated Carbon Inner Blanket
94006021	Annual Activated Carbon Replacement Kit MODELS 6500, 8500 and 10000 (Includes 6 pre-filters and 3 inner blankets)
94005011	Annual Activated Carbon Replacement Kit MODELS 4000V and 5000V (Includes 4 pre-filters and 2 inner blankets)
95005-6	16" VOC Canister

***** IF YOU ARE NOT SURE WHICH HEPA CARTRIDGE YOU NEED PLEASE SPECIFY THE SERIAL NUMBER OF YOUR SYSTEM WHEN ORDERING.**

*****MODELS 6500, 8500, AND 10000 HAVE 3 HEPA CARTRIDGES PER SYSTEM**

*****MODELS 4000V AND 5000V HAVE 1 HEPA CARTRIDGE PER SYSTEM**

SPECIFICATIONS

The **Amaircare Models 4000V, 5000V, 6500, 8500, and 10000 HEPA Air Filtration Systems** are designed for indoor air quality improvement situations where high capacity is required. Following are the specifications for these five models:

MODEL 4000V HEPA AIR FILTRATION SYSTEM

Capacity:

Air Flow - 50 cubic feet - 300 cubic feet/max.
Maximum hourly flow - 18,000 cubic feet
Recommended service area - 700 sq. ft.
Maximum Power Consumption:* 120 watts (1 motor)

MODEL 5000V HEPA AIR FILTRATION SYSTEM

Capacity:

Air Flow - 100 cubic feet - 450 cubic feet/max.
Maximum hourly flow - 27,000 cubic feet
Recommended service area - 1000 sq. ft.
Maximum Power Consumption: 160 watts (1 motor)

MODEL 6500V HEPA AIR FILTRATION SYSTEM

Capacity:

Air Flow - 150 cubic feet - 650 cubic feet/max.
Maximum hourly flow - 39,000 cubic feet
Recommended service area - 1500 sq. ft.
Maximum Power Consumption: 250 watts (3 motor)

MODEL 8500 HEPA AIR FILTRATION SYSTEM

Capacity:

Air Flow - 200 cubic feet - 850 feet/max.
Maximum hourly flow - 51,000 cubic feet
Recommended service area - 1,500 sq. ft.
Maximum Power Consumption: 360 watts (3 motor)

MODEL 10000 HEPA AIR FILTRATION SYSTEM

Capacity:

Air Flow - 250 cubic feet - 1000 cubic feet/max.
Maximum hourly flow - 60,000 cubic feet
Recommended service area - 2,500 sq. ft.
Maximum Power Consumption: 600 watts (3 motor)

Manufactured by:
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* Motors/Blowers: All motors used are thermally protected class "B" insulated motors and are designed for continuous operation. Service: 120 Volt, 60 Hz or 230 Volt, 50/60 Hz